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Department of  
Agriculture

Agricultural  
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TO: See Distribution List

FROM: Martha Lamont  
Director

SUBJECT: Semi-Annual Program Plan (January – June 2005) – Pesticide Data Program

This Program Plan serves as the current Statement of Work for the period January through June 2005 for each of the States participating in the Pesticide Data Program (PDP). This document also stipulates work assignments for the Federal facilities participating in PDP. The contents of the Plan have been discussed with the U.S. Environmental Protection Agency (EPA).

## **I. ADMINISTRATIVE UPDATES**

- A. Summary Status:** The 2003 PDP Annual Summary has been drafted and is under Department review.
- B. Personnel:** Program participants are reminded to keep PDP management informed of any critical personnel vacancies, staffing issues, or expected increases in rent (due to laboratory or office renovation/relocation, etc.). This information is very important for financial management, workload assignments, and to monitor potential backlogs.
- C. USDA-EPA PDP Planning Meeting:** The Monitoring Programs Office (MPO) held a planning meeting on October 14, 2004, with EPA Health Effects Division (HED) representatives to discuss tentative PDP commodities and analytes to be included during 2005-2006.
- D. Technical/Quality Assurance (QA) Meeting:** A meeting for PDP Technical Program Managers and Quality Assurance Officers will be held during Spring 2005 in Fairfax, Virginia. Agenda topics include spiking scheme modification, confirmation codes, method validation, proficiency testing, measurement uncertainty, and retention of hardcopy information in raw data packages.
- E. QA Committee:** Current members of the QA Committee are Gail Parker (Presiding Member, Florida), Harnek Nijjar (California), and Theresa Struble (Michigan).
- F. January through June 2005 Proficiency Testing (PT) Program:** Listed below is the PT program schedule for January through June 2005 for fresh and processed fruit and vegetables, grain, milk, meat, and water.

PE SET NO.	SHIPMENT DATE <sup>1</sup>	PROVIDER	COMMODITY	LABORATORY
125	January 2005	CDFA	Soybeans	US3
126	February 2005	CDFA	Oranges	CA1, WA1
127	March 2005	CDFA	Milk	US2
128	March 2005	Ultra	Water	CO1, MN1, MT1, NY1
129	April 2005	CDFA	Pork Adipose and Muscle	US2
130	May 2005	CDFA	Winter Squash	CA1, TX1
131	June 2005	AOAC	To Be Determined	CA1, FL1, FL2, MI1, NY1, OH1, TX1, WA1

For samples provided by the California Department of Food and Agriculture (CDFA) Quality Assurance Unit (QAU), please provide analytical methods and any special requirements for sample preparation (e.g., silinization of glassware) to Harnek Nijjar. These samples are subject to compounds specified in the applicable PDP-QC-13 addendum. Please remember to report results concurrently to the MPO and the CDFA QAU.

General multi-residue method (MRM) samples for fresh fruit and vegetables will be supplied by AOAC in June 2005. Participants are only evaluated for those residues analyzed by their laboratory and the report provided will clearly identify these pesticides. A list of potential chemicals may be viewed at <http://www.aoac.org/proficiencytesting/resultchecklist.PDF>. Please report results concurrently to AOAC and MPO.

For water, Ultra Scientific will provide proficiency samples based on common analytical profiles and detection limits. For each check sample set, the vendor will supply the laboratory's QAU with a custom mix. The QAU will make dilutions per PDP instructions and fortify one liter of unfiltered tap water with the solution. The spiked sample will then be issued to the laboratory staff for analysis. Results should be reported concurrently to the laboratory QAU and MPO.

#### **G. Standard Operating Procedures (SOPs):**

##### **New and Revised SOPs Released October 1, 2004**

- PDP-ADMIN-01, Facilities
- PDP-ADMIN-03, Training/Personnel Records
- PDP-ADMIN-04, Laboratory Equipment
- PDP-ADMIN-05, Safety
- PDP-ADMIN-06B, Laboratory Quality Assurance Units
- PDP-ADMIN-08, Historical Standard Operating Procedures
- PDP-LABOP-03, Sample Preparation for Fresh Fruit and Vegetable, Grain, and Processed Commodities
- PDP-QC-13 Cauliflower, Commodity Specific Requirements for Cauliflower
- PDP-QC-13 Oranges, Commodity Specific Requirements for Oranges

<sup>1</sup> Target shipment date for all providers is the second Tuesday of the month

### **New and Revised SOPs to be Released January 1, 2005**

- PDP-DATA-02, Reporting Results
- PDP-DATA-03, Quantitation and Confirmation of Pesticide Residues
- PDP-LABOP-12, Animal Tissue Analysis
- PDP-QC-13 Bottled Water, Commodity Specific Requirements for Bottled Water
- PDP-QC-13 Eggplant, Commodity Specific Requirements for Eggplant
- PDP-QC-13 Grapefruit, Commodity Specific Requirements for Grapefruit
- PDP-QC-13 Oranges, Commodity Specific Requirements for Oranges
- PDP-QC-13 Plums, Commodity Specific Requirements for Plums
- PDP-QC-13 Pork, Commodity Specific Requirements for Pork
- PDP-QC-13 Wheat, Commodity Specific Requirements for Wheat
- PDP-QC-15, MS Criteria

### **SOPs to be Archived January 1, 2005**

- PDP-QC-06, Minimum Requirements for GC/Quadrupole Mass Spectrometer Confirmation in EI Mode
- PDP-QC-09, Minimum Requirements for Confirmation Using GC/MS-MS

### **SOPs to be Released April 1, 2005**

- PDP-LABOP-02, Chain-of-Custody Procedures
- PDP-LABOP-04, Method SOPs, Extraction, Clean-up, and Analysis
- PDP-LABOP-05, Reagents Preparation, Labeling, and Storage
- PDP-LABOP-06, Glassware Calibration and Cleaning
- PDP-LABOP-07, Waste Disposal
- PDP-DATA-05, Remote Data Entry (RDE) System
- PDP-DATA-06, Data Review Requirements

## **H. Electronic Transfer of Data**

RDE System Architecture: The Web-based RDE system is a centralized system, where all RDE database files and support software reside in Washington, D.C. and laboratory users require only an Internet web browser on the front-end. A stand-alone SIF data entry system for laptop/desktop computers and for PDAs (Pocket PCs) was developed to allow the capture of SIF data electronically by sample collectors. The SIF data entry system can also be used by laboratories to perform off-line data entry of paper SIF information that can then be imported into the central RDE system. Laboratories that import complete data sets into the Web-based RDE system can request that HQ-MPO forward all incoming e-SIFs to the lab for import into the lab internal database or LIMS.

RDE Web Addresses: RDE users in the laboratories should be using the SSL (Secure Socket Layer) site address to access the Web-based RDE system on the AMS production Web server. The only difference is the addition of the letter "s" following "http". This SSL technology is used to encrypt all data passed between the user's computer and the central web server. If the secure site is not available, the AMS developmental Web server can be used.

- I. Cooperative Agreements:** The FY'05 Cooperative Agreements are being drafted as we are under a Continuing Resolution. State allocations will be discussed when the budget has been signed by the President.

## II. PROGRAM SAMPLING AND TESTING UPDATES

- A. Sampling Changes and Rotations:** (Draft 1<sup>st</sup> and 2<sup>nd</sup> Quarter 2005 Shipping Charts are attached to this document. Actual shipping dates will be sent under separate cover with final versions of the Shipping Charts.)

### Sampling Deletions

**Canned peach** collection ends *December 31, 2004*.

**Sweet potato** collection ends *December 31, 2004*.

**Tomato** collection ends *December 31, 2004*.

**Wheat flour** collection ends *December 31, 2004*.

**Pork** collection ends *June 30, 2005*. Sampling of pork adipose and muscle tissues is performed by the USDA Food Safety and Inspection Service (FSIS).

### Sampling Additions

**Eggplant** will be added *January 1, 2005*. All samples will be sent to the Ohio (OH1) laboratory. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

**Grapefruit** will be added *January 1, 2005*. With the exception of samples from California and Maryland, samples will be sent to the Michigan (MI1) laboratory. Samples collected in California and Maryland will be sent to the California (CA1) laboratory. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

**Plums** will be added *January 1, 2005*. All samples will be sent to the Ohio (OH1) laboratory. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

**Bottled water:** Inclusion of bottled water is being discussed with Agency management. If approved, bottled water will be added *January 1, 2005*. All samples will be sent to the Minnesota (MN1) laboratory for multi-residue testing.

**Pork** sampling begins *January 1, 2005*. USDA Food Safety and Inspection Service (FSIS) inspectors will collect and ship pork adipose and muscle tissues to the AMS National Science Laboratory (US2), Gastonia, North Carolina for multi-residue testing.

### Sampling Changes

**Frozen green beans** will replace fresh green beans *April 1, 2005*.

### Sampling Continuations

**Apples, cantaloupes, cauliflower, grapes, lettuce, milk, oranges, orange juice, pears, strawberries, and winter squash** will continue to be sampled.

**Soybeans** continue to be sampled by the USDA Grain Inspection, Packers, and Stockyards Administration (GIPSA). Sampling is planned to continue through *September 30, 2005*.

**Wheat grain** continues to be sampled by USDA GIPSA. Wheat will be sampled through September 30, 2006, in order to capture two crop years.

**Water survey:** Continuation of the water survey was requested by EPA. If approved by USDA, sampling will continue with testing services provided by the Colorado (CO1), Montana (MT1), and New York (NY1) laboratories. Samples will continue to be collected by participating water facility personnel, with a USDA contractor, Great Lakes Environmental Center (GLEC), providing sampling support service.

## **B. Testing Deletions and Changes:**

### Testing Deletions

**Canned peach** collection ends *December 31, 2004*. This ends multi-residue testing of canned peaches under SOP PDP-QC-13 Peaches by Ohio (OH1).

**Sweet potato** collection ends *December 31, 2004*. This ends multi-residue testing of sweet potatoes under SOP PDP-QC-13 Sweet Potatoes by California (CA1) and Michigan (MI1).

**Tomato** collection ends *December 31, 2004*. This ends multi-residue testing of tomatoes under SOP PDP-QC-13 Tomatoes by Ohio (OH1).

**Wheat flour** collection ends *December 31, 2004*. This ends multi-residue testing of wheat flour under SOP PDP-QC-13 Wheat by the GIPSA laboratory (US3).

**Pork** collection ends *June 30, 2005*. This ends multi-residue testing of pork adipose and muscle tissues by the National Science Laboratory (US2).

### Testing Additions

**Eggplant** will be added *January 1, 2005*. Multi-residue testing for all samples will be performed by the Ohio (OH1) laboratory. Commodity specific requirements are listed in draft SOP PDP-QC-13 Eggplant. Draft requirements include all current registered uses for eggplant. Please contact the PDP Technical Director with any necessary changes to this testing profile.

**Grapefruit** will be added *January 1, 2005*. Multi-residue testing for all samples, except those from California and Maryland, will be performed by the Michigan (MI1) laboratory. Samples from California and Maryland will be tested by the California (CA1) laboratory. Commodity specific requirements are listed in draft SOP PDP-QC-13 Grapefruit. Draft requirements include all current registered uses for grapefruit. Please contact the PDP Technical Director with any necessary changes to this testing profile.

**Plums** will be added *January 1, 2005*. Multi-residue testing for all samples will be performed by the Ohio (OH1) laboratory. Commodity specific requirements are listed in draft SOP PDP-QC-13 Plums. Draft requirements include all current registered uses for plums. Please contact the PDP Technical Director with any necessary changes to this testing profile.

**Bottled water:** Inclusion of bottled water is being discussed with Agency management. If approved, bottled water will be added *January 1, 2005*. Multi-residue testing for all samples will be performed by the Minnesota (MN1) laboratory. Commodity specific requirements are listed in draft SOP PDP-QC-13 Bottled Water. Please contact the PDP Technical Director with any necessary changes to this testing profile.

**Pork** analysis begins *January 1, 2005*. USDA FSIS inspectors will collect and ship pork adipose and muscle tissues to the AMS National Science Laboratory (US2), Gastonia, North Carolina for multi-residue testing. Commodity specific requirements are listed in draft SOP PDP-QC-13 Pork. Please contact the PDP Technical Director with any necessary changes to this testing profile.

#### **Testing Continuations**

Multi-residue testing for **apples, cantaloupes, cauliflower, grapes, lettuce, milk, oranges, orange juice, pears, strawberries, and winter squash** continue.

**Soybeans and wheat grain** continue. Multi-residue testing for all samples is performed by the USDA GIPSA (US3) laboratory, Kansas City, Missouri. Commodity specific requirements are listed in SOPs PDP-QC-13 Soybeans and PDP-QC-13 Wheat.

**Water survey:** Continuation of the water survey was requested by EPA. If approved by USDA, testing by the Colorado (CO1), Montana (MT1), and New York (NY1) laboratories will continue.

#### **C. Web Site for PDP Information:**

For Pesticide Data Program information check out our Internet Web Site:

<http://www.ams.usda.gov/science/pdp/>

Attachment